

A note on some relations between Fourier and

S/044/62/000/011/005/064
A060/A000

it is required to find the solution $f_3(\rho, z)$ of the Laplace equation

$$\frac{\partial^2 f_3}{\partial \rho^2} + \frac{1}{\rho} \frac{\partial f_3}{\partial \rho} + \frac{\partial^2 f_3}{\partial z^2} = 0,$$

in the half-space $z \geq 0$, satisfying the conditions

$$f_3(\rho, 0) = p_3(\rho), \quad f_3(\rho, z) \rightarrow 0 \text{ at } (\rho^2 + z^2)^{\frac{1}{2}} \rightarrow \infty.$$

The solution of this problem is given by the formula

$$f_3(\rho, z) = -\frac{2}{\pi \rho} \frac{\partial}{\partial \rho} \int_{\rho}^{\infty} \frac{x f_2(x, z)}{\sqrt{x^2 - \rho^2}} dx,$$

where $f_2(x, z)$ is the solution of the plane problem corresponding to the boundary value $p_2(x) = T_2\{p_3(\rho), x\}$.

S.A. Akopyan

[Abstracter's note: Complete translation]

Card 3/3

93280

S/106/60/C00/001/002/005
A056/A126

AUTHORS: Yevtyanov, S. I., Snedkov, B. A.

TITLE: Study of a push-pull frequency divider

PERIODICAL: Elektrosvyaz', no. 1, 1960, 11 - 22

TEXT: The author discusses the theory and the computation of push-pull frequency dividers, on the basis of polynomial approximations of the plate-current characteristics. The circuit presents two pentodes L_1 and L_2 with phase opposition $A \cos \omega t$ between the screen grids. Such design gives the possibility of any frequency division, but here the author considers the concrete case of a divisibility $n = 2 - 5$. The last part of the article treats the relation between the band of synchronisation ξ and the amplitude of the input $a = \frac{A}{E_0}$, and the relation between the amplitude of auto-oscillation U and a . There are 8 figures and 6 references: 5 Soviet-bloc and 1 non-Soviet-bloc. The reference to the English-language publication reads as follows: Sterky: "Frequency multiplication and division" Proc. IRE no. 9, 1937.

SUBMITTED: September 30, 1959

Card 1/1

L 2230-66 EWT(m)/EPA(w)-2/EWA(m)-2 IJP(c) DM
ACCESSION NR: AP5023771

UR/0089/65/019/003/0287/0287
621.384.62

AUTHOR: Snedkov, B. A.

TITLE: Production of accelerated monoenergetic electron bunches with a high percentage of capture in a resonator buncher

SOURCE: Atomnaya energiya, v. 19, no. 3, 1965, 287

TOPIC TAGS: resonator, electron accelerator, electron beam

ABSTRACT: Accelerated monoenergetic electron bunches can be obtained in a system of two resonators, a modulating one and an accelerating one. The electrons, injected by the gun in a continuous stream, are velocity-modulated in the gap of the first resonator, then grouped into bunches in the drift space on approaching the accelerating resonator. In the latter, the total energy of the bunches increases, and the energy spread is simultaneously leveled by modulation. To increase the number of particles in the bunch, several additional modulating resonators should be installed between the modulating and the accelerating resonator. A system of three modulating and one accelerating resonators permits the
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ACCESSION NR: AP5023771

injection into the bunch of up to 70% of all the injected particles while insuring a relative residual energy spread of less than 0.5% at the exit from the accelerating resonator. A space charge improves the energy homogeneity of the bunches, and the relative energy spread can be reduced to 0.1%. Orig. art. has: 1 figure.

ASSOCIATION: None

SUBMITTED: 06Apr64

ENCL: 00

SUB CODE: NP

NO REF SOV: 000

OTHER: 000

Card 2/2

L 33162-65
ACCESSION NR: AP5005229

S/0057/65/035/002/0282/0289

AUTHOR: Snedkov, B.A.

TITLE: Effect of space charge on a klystron type buncher

SOURCE: Zhurnal tekhnicheskoy fiziki, v.35, no.2, 1965, 282-289

TOPIC TAGS: bunch formation, space charge, klystron, electron beam

ABSTRACT: The effect of space charge on the bunching action of a resonant cavity is discussed in detail. The electrodynamic approach of G.I.Zhileyko (ZhTF 31,508, 1961) is employed but particular attention is given to graphical methods of calculation that would be useful in practical solution of design problems. The space charge leads to a decrease of the equivalent bunching factor, enhanced nonlinearity of the phase-amplitude diagram, a decrease of the equivalent modulations amplitude, and an increase in the length of the bunches. These effects are discussed in detail and are illustrated graphically. There is a brief comparison with results of S.E.Weber (IRE Transactions of Electron Devices, ED-6, No.4, 365, 1960), who neglected energy spread. Some agreement is found, but the validity of Weber's phase-amplitude diagrams and his method of constructing them are questioned. "In con-

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L 33162-65

ACCESSION NR: AP6005239

cclusion, I thank G.I. Shileyko for assistance in the work." Orig.art.has: 8 formulas and 8 figures.

ASSOCIATION: Moskovskiy energeticheskiy institut (Moscow Power Engineering Institute)

SUBMITTED: 08Apr64

ENCL: 00

SUB CODE: EC, EM

NR REF SOV: 002

OTHER: 003

Card 2/2

L 40922-65 EPA(w)-2/EWT(m)/EWA(m)-2 Pt-10/Pab-10 IJP(c)

S/0057/65/035/003/0486/0488

ACCESSION NR: AP5007294

39

38

B

AUTHOR: Zhileyko, G.I.; Snedkov, B.A.

TITLE: The equations of motion of an electron in the field of a traveling electromagnetic wave with second order nonlinearities included

SOURCE: Zhurnal tekhnicheskoy fiziki, v.35, no.3, 1965, 486-488

TOPIC TAGS: linear accelerator¹⁹, traveling wave electron accelerator, motion equations, nonlinear differential equation

ABSTRACT: The equations of motion of an electron in the field of a traveling wave, in the usual form in which the derivatives with respect to distance of the electron energy and phase are expressed as functions of the phase and velocity (M. Vodorow et al., Rev. Sci. Instr. 26, 2, 134, 1955), are transformed (as usual) by introducing as dependence variables the deviations of the energy and phase from their values on an equilibrium trajectory and expanding in powers of these new dependent variables. In the present paper the resulting first and second degree equations are discussed, in which terms of higher degree in the dependent variables than the first or second, respectively, are dropped. These are transformed by introducing the energy on the

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L 40922-65

ACCESSION NR: AP5007294

equilibrium trajectory as the independent variable and are written as second order differential equations for the energy deviation. The equation thus obtained from the second degree equations is solved as a linear differential equation. Abstracter's note: The authors do not clearly explain how this is accomplished, but it would appear that they first solve the first degree equations and substitute the solution thus found for certain terms of the higher degree equation, thereby obtaining a linear equation.⁷ The third degree equations resulting from the expansion in powers of the energy and phase deviations are also briefly discussed. It is concluded that the proposed method of handling the nonlinearities usually makes it possible to dispense with a numerical integration of the equations of motion in investigations of the dynamics of electrons interacting with the field of a traveling wave. Orig.art.has: 14 formulas and 1 figure.

ASSOCIATION: Moskovskiy energeticheskiy institut (Moscow Power Engineering Inst.)

SUBMITTED: 06May64

ENCL: 00

SUB CODE: EC,NP

NR REF Sov: 002

OTHER: 001

Card 2/2 MB

L 7745-66	EWT(1)/EWA(h)	J1
ACC NR:	AP5025887	SOURCE CODE: UR/0057/65/035/010/1767/1770
AUTHOR:	<u>Galkov, V.A.; Snedkov, B.A.</u>	
ORG:	<u>Moscow Power Engineering Institute (Moskovskiy energetcheskiy institut)</u>	
TITLE:	Conditions for obtaining electron bunches of minimum length from a klystron-type buncher with the influence of space charge taken into account	
SOURCE:	Zhurnal tekhnicheskoy fiziki, v. 35, no. 10, 1965, 1767-1770	
TOPIC TAGS:	<u>klystron</u> , electron distribution, space charge, energy scattering	
ABSTRACT: The operating conditions of a klystron buncher under which the bunches have minimum length, maximum electron content, and minimum energy scatter are discussed with space charge effects taken into account. The requirements on the bunches are to some extent contradictory, and trading must be undertaken. Phase diagrams for the electron energy and other parameters were calculated for a number of specific conditions; these are presented and discussed. The phase diagrams calculated for the energy distribution at the end of the drift space for different values of the bunching parameter are in good agreement with similar curves obtained by S.E.Webber (IRE Transact.El. Dev., ED-6, No.4, 1959). The optimum bunching parameter was found to be 2.0 for bunches that are not very short and contain more than 40 % of the injected particles. This is in agreement with the values 1.9 to 2.19 found experimentally by S.E. Webber (IRE Transact. El. Dev., ED-5, No.2, 1958). By performing calculations similar		
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ACC NR: AP5025887

to those described here for a wide range of beam currents and energy scatter, one can calculate the modulation amplitude and bunching parameter required for obtaining bunches of minimum length containing a maximum number of particles. The authors thank G.I. Zhileyko for discussing the results. Orig. art. has: 3 formulas and 5 figures.

SUB CODE: EC/ SUBM DATE: 15Feb 65/ ORIG REF: 001/ OTH REF: 002

Card 2/2

CHILAEV, G. I. & SNEDRKOV, V. A.

Wave-guide type accelerator-buncher intended for the production of a
monoenergetic electron beam. Atom. energ. 18 no.6:627 Je '65.

S/058/63/000/002/067/070
A160/A101

AUTHOR: Šnédrlc, Milan

TITLE: Noise damping in large-size channels

PERIODICAL: Referativnyy zhurnal, Fizika, no. 2, 1963, 60, abstract ZZh375
("Sb. Českosl. věd. techn. společn. zdravotní techn. a vzducho-
techn. ČSAV", no. 4, 1962, 27 - 42, Czech; summaries in Russian,
English, French and German)

TEXT: An investigation is carried out of the noise damping in suction
and exhaust channels and in channels with cooling air on test stands for air-
craft jet engines and for aircraft with a jet engine, and also on objects for
the operation of gas turbines. Discussed are the properties and the advan-
tages of various type dampers for the exhaust, for suction and for channels de-
signed for cooling air. Hereby, the use of Soviet-made acoustic materials was
envisaged, whose absorption coefficients were determined in various combinations
by laboratory tests.

[Abstracter's note: Complete translation]

Card 1/1

26

Drying of esters of unsaturated acids separated from the fat of sardine (*Sardinella melanosticta*). A. Ya. Dunberg and A. A. Podgorny, *J. Applied Chem.* (U. S. S. R.) 13, 1449-54 (French); 1454 (1940). The sardine fat treated with alkali to remove protein and free acid had acid no. 0, sapon. no. 100.8, I no. 174.6 and d₂₅ 0.9291. The fat was sapon. in alc. NaOH and the product was decomposed with sapon. in alc. NaOH and the product was decomposed with dil. H₂SO₄. The mixt. of fat acids, washed free from Na₂SO₄, H₂SO₄ and glycerol, was dissolved in acetone and neutralized with 4 N LiOH (prepd. by the action of LiCl on Ag₂O). The mixt. was cooled with ice for 2 hrs. and insol. Li salts of sard. and nearly satd. acid were filtered out. Acetone was distilled from the filtrate, the residue was decomposed with HCl, and highly unsatd. acids were extd. with ether, washed and dried. The yield was 27% of highly unsatd. acids (I, no. av. 322, and no. av. 186, mol. wt. av. 303 and d₂₅ 0.9013). The mixt. contained approx. acids with one double bond 18.7, with three double bonds 52.8 and those with 4, 5 and 6 double bonds 35.1%. The amyl ester (II) of the above acid mixt. was prepd. by heating 5 g. of mixt. with 20 g. of AmOH at 170-80° in an oil bath for 7 hrs. Heating 12.7 g. of mixt. with 1.4 g. of glycol at 100° for 6 hrs. yielded glycol ester (III). Heating of the mixt. with glycerol in the mol. ratio 3:1, resp., at 180° for 5 hrs. yielded glycerol ester (IV). Pentaerythritol ester (V) was prepd. by heating 1 g. of the mixt. with 0.45 g. of C(CH₃)₃OH for 2-3 hrs. at 180-80°. The acid nos., sapon. nos., I nos., av. mol.

wts., d₂₅ and abs. viscosity in poises of the esters obtained were as follows: I 38.2, 155.6, 227.0, 300, 0.9340 and 0.495; II 29.6, 231, 210.5, 616, 0.9740 and 0.743; III 17.0, 209, 183.0, 1028, 0.9923 and 8.720; IV 47.4, 330, 176.8, 1380, —. All the esters had drying properties and the drying was faster with an increase of mol. wt. of the alc. used for the prepn. of the ester. The hardness, solv., moisture resistance and elasticity were decreased with an increase of mol. wt. of the alc. Swelling and resistance to tear changed but slightly with change in mol. wt. of the alc. The elasticity of films rapidly decreased with time.

A. A. Podgorny

ASH SLA METALLURGICAL LITERATURE CLASSIFICATION

SNEDZE, A.A.

VAYNER, Ya.V., laureat Stalinskoy premii kandidat tekhnicheskikh nauk;
DASOYAN, M.A., kandidat tekhnicheskikh nauk; DRINBERG, A.Ya.,
laureat Stalinskoy premii doktor tekhnicheskikh nauk, professor;
TARASENKO, A.A., laureat Stalinskoy premii, inzhener; KHAIN, I.I.,
inzhener; BOGORAD, I.Ya., laureat Stalinskoy premii, kandidat
tekhnicheskikh nauk, retsenzent; SNEDZE, A.A., kandidat tekhnicheskikh nauk,
retsenzent; YAMPOL'SKIY, A.M., inzhener, retsenzent;
TIKHOMIROV, A.A., inzhener, retsenzent; FEDOT'YEV, N.P., laureat
Stalinskoy premii doktor tekhnicheskikh nauk, professor, redaktor;
GUREVICH, Ye.S., kandidat tekhnicheskikh nauk, redaktor; DLUGOKAN-
SKAYA, Ye.A., tekhnicheskiy redaktor

[Handbook on protective and decorative coatings] Spravochnik po
zashchitno-dekorativnym pokrytiiam. Pod red. N.P.Fedot'eva.
Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1951. 480 p.
(MLRA 10:7)
[Microfilm]
(Protective coatings)

DRINBERG, Anatoliy Yakovlevich; SNEDZE, A.A.; TIKHOMIROV, A.V.

[Technology of lacquers] Tekhnologija lakokrasochnykh pokrytii.
Leningrad, Gos. nauchno-tekhn. izd-vo khim. lit-ry [1951] 528 p.
(Lacquer and lacquering) (MLRA 7:6)

RUMANIA / Human and Animal Physiology. Nervous System. T
General Problems.

Abs Jour: Ref Zhur-Biol., No 22, 1958, 102158.

Author : Foni, I.; Smeer, A.

Inst : Not given.

Title : The Influence of Interference of Exteroceptive Re-
flex With Interoceptive on the Secretory Function
of the Stomach.

Orig Pub: Fiziol. norm. si patol., 1957, 4, No 3, 233-240.

Abstract: Along with the disturbances of behavior and tropisms, the interference between the digestive exteroceptive reflex and an interoceptive reflex of unusual strength (dilatation of ampula recti with a balloon in the course of 1-2 sec.) induced disturbances of gastric secretion in 2 dogs. Prolonged alternation of hypo- and hypersecretion,

Card 1/2

PONI, I.; SARAGEA, M.; PAUSESCU, E.; SNEER, A.; CLOPOTARU, Margot; IONESCU, C.;
IONESCU, Cristina; BARBU, R.

Contributions to the experimental study of intestinal obstruction.
Rumanian M Rev. no.1:155-156 Ja-Mr '61.

1. The Chair of Pathological Physiology of the Medicopharmaceutical Institute in Bucharest (Head of the Chair: Assist. Prof. M. Saragea) and the Institute of Therapeutics of the R.P.R. Academy, medical team of the "I.C. Frimu" Hospital (Head of the team: Prof. I. Turai, Corresp. Member of the R.P.R. Academy).

(INTESTINAL OBSTRUCTION pathology)
(STOMACH pathology) (BILIARY TRACT pathology)

SNEGIC, Novak, inz.

Influence of certain factors on the quality of investment
castings. Livanstvo 11 no.55/56:133 My-Jl '64

1. "Krusik" Enterprise, Valjevo.

DZHUSUPBEKOV, S.D., red.; SNEGIN, D.F., red.; BARIKOV, G.A., red.;
GORYACHEVA, A.A., red.; RUSAkov, I.V., red.; BORSUK, F.,
red.; TURABAYEV, B., tekhn.red.

[Alma-Ata, capital of the Kazakh S.S.R.] Alma-Ata - stolitsa
Kazakhskoi SSR. Alma-Ata, Kazakhskoe gos.izd-vo, 1960. 304 p.
(MIRA 14:3)

(Alma-Ata)

SNEGIR', N.

USSR/Electronics - Radio

Card 1/1

Author : Snegir', N.

Title : Let us improve the radio situation in rural districts

Periodical : Radio, 3, 17, Mar, 1954

Abstract : In a letter sent to the "Radio" editorial office, it was stated that the supply of radio receivers in rural districts is still not sufficient to meet demands. Those that are on hand are obsolete, and the available stock of power supplies (batteries), spare parts, tubes, etc., is not sufficient to satisfy all requirements.

Institution :

Submitted :

"APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R001651810007-2

GAVRILENKO, V.F.; SNEGIREV, A.A.

Transistor zero-element. Priborostroenie no.12-25 D'63.
(MIRA 17:5)

APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R001651810007-2"

DEGTYARIK, N.V., inzh.; KOVALENKO, N.A., inzh.; SNEGIREV, A.A., inzh.

Automatic control of hopper charging. Mekh. i avtom. proizv.
18 no.1:11-14 Ja '64. (MIRA 17:2)

SNEGIREV, A.G.

Introducing powered unit in mines of the "Kuibyshevugol'"
Trust. Ugol' 39 no.3:36-38 My'64. (MIRA 17:5)

1. Trest Kuybyshevugol'.

GUSHCHIN, Ye.P.; SNEGIREV, A.P.

Shielding laboratories from radiation. Zav.lav.21 no.8.1002-1003 '55
(MIRA 8:11)

1. Moskovskiy gosudarstvennyy universitet
(Shielding (Radiation))

SNEGIREV, A. Ye.

Eliminate shortcomings in tree planting. Avt. dor. 25
no. 2, 19-20 F '62. (MIRA 15:2)
(Roadside improvement)

PA - 2248

AUTHOR

KOVNER, M.A., SNEGIREV, B.N.
Depolarisation and Intensities in the Raman Spectra of Benzene and
Hexadeuterobenzene (Depolarisatsii i intensivnosti v spektrakh kom-

PERIODICAL

binatsionnogo rasseyaniya benzola i geksadeyterobenzola).
Doklady Akademii Nauk SSSR, 1957, Vol 112, Nr 5, pp835-838 (U.S.S.R.)

ABSTRACT

Received 4/1957
Reviewed 4/1957
The present paper uses the method for the calculation of depolarizations and intensities developed by M.V.VOL'KENSHTEYN et al.(kolebaniya molekul = "The oscillations of molecules", 1949) and detailed by S.M.FERIGLE, A.WEBER (Canad.J.Phys., 32, 799, 1954).
Fully symmetrical oscillations (A_{1g}): The CH-bindings in benzene are produced by carbon-atoms with trigonal hybridization and cannot have a cylindrical symmetry. The expressions for the derivations of the tensor of the polarizability of the molecule in a certain direction are given. The coefficients occurring therein and the normalizing factors are known from the solution of a mechanical problem. Only certain relations are here determined on the basis of experimental values of certain quantities. By this method Q₃, Q₄ and S₃/S₂ can be determined. The corresponding quantities are determined here more precisely than before and satisfy a certain sum rule.
Non-plane degenerated oscillations (E_g): First the formulae are written down which are obtained by computation of the projection of the angular momentum M in JACOBI's coordinates. Also the expressions resulting from the geometric image of the non-plane oscillations,

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Depolarization and Intensities in the Raman Spectra of Benzene and Hexadeuterobenzene.

furthermore a formula for the derivation of the tensor of polarizability with respect to the normal coordinate. Then the theoretical ratio of the intensities J of the lines \bar{E}_g , C_6D_6 , and C_6H_6 is given. The numerical values of the numerical coefficients resulting here are given and discussed in short.

The plane degenerated oscillations: Computation of the valence-part of each component of the tensor of the derivations of polarizability according to the normal coordinates is elementary. The tensors are explicitly given. Like in case A_{1g} also the ratios of electro-optic parameters can be determined from experimental data. Such a computation, however, is unsatisfactorily motivated since the benzene has a resonance-like FERMI-cleavage at the frequency 1600 cm^{-1} . The influence of this cleavage on intensities is not taken into account within the framework of the theory used here. (No illustrations)

ASSOCIATION State University Saratov.

PRESENTED BY G.S.LANDSBERG, member of the Academy, on 27. 9. 1956

SUBMITTED 14. 9. 1956

AVAILABLE Library of Congress

Card 2/2

SCV/51-5-4/21

AUTHORS: Kovner, I.I. and Snegirev, B.N.

TITLE: Calculation of the Raman Spectrum Intensity of Benzene and Certain Deuterobenzenes in the Zeroth and First Approximations of the Valence-Optical Theory (Raschet intensivnostey v spektrakh kombinatsionnogo rasseyaniya benzola i nekotorykh deyterebenzolov v mulevom i pervom priblizhenii valentno-opticheskoy teorii)

PERIODICAL: Optika i Spektroskopiya, 1958, Vol 5, Nr 3, pp 239-250 (USSR)

ABSTRACT: The authors calculated the intensities and depolarizations of the Raman spectra of benzene and two deuterobenzenes: C_6D_6 and $C_6D_5D_3$. The method of calculation used was that of Ferigle and Wober (Ref 2), generalized to molecules not possessing the axial symmetry. The method is semi-empirical and some of the required data were taken from the experimental results of Ref 3. To allow for the dependence of the bond polarizability on the changes in the bond lengths and valence angles, the calculations were carried out in two stages: in the usual zeroth and in the first approximations of the valence-optical theory (Ref 1). Table 1 gives the forms of vibrations. Table 2 gives the experimental and calculated intensities and depolarizations of the

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SOI/61-3-3-3/21

Calculation of the Raman Spectrum Intensity of Benzene and Certain Dibenzobenzenes
in the Zeroth and First Approximations of the Valence-Optical Theory

Raman spectra of C_6H_6 , C_6D_6 and $C_6H_3D_3$. The agreement between the experimental and calculated values was found to be, in general, satisfactory. Table 3 gives the results of application of the sum rule to two symmetries (A_{1g} and E_g) of C_6H_6 and C_6D_6 . Table 4 gives the various constants of the bonds CC and CH. The results of Table 4 indicate that there is a strong distortion of the axial symmetry in the CH bonds. The appendix gives the symmetry coordinates. There are 4 tables, 1 appendix and 10 references, 5 of which are Soviet.

ASSOCIATION:Saratovskiy gosudarstvennyy universitet (Saratov State University)

SUBMITTED: October 2, 1957

Card 2/2 1. Benzenes--Spectrographic analysis 2. Raman spectrum--
Applications 3. Mathematics--Applications

AUTHORS: Kucher, M. A., Snegirev, B. N. SOV/45-22-9-5/40

TITLE: Intensities and Depolarization in the Spectra of Combination Dispersion of C_6H_6 , C_6D_6 , and of the Symmetrical $C_6H_3D_3$ (Intensivnosti i depolyarizatsii v spektrakh kombinatsionnogo rasseyaniya C_6H_6 , C_6D_6 i simm. $C_6H_3D_3$)

PERIODICAL: Izvestiya Akademii nauk SSSR. Seriya fizicheskaya, 1958, Vol 22, Nr 9, pp 1030 - 1035 (USSR)

ABSTRACT: New information gained (Ref 1) on the spectra of combination dispersion of C_6H_6 , C_6D_6 and $C_6H_3D_3$ made it possible to determine the electro-optical parameters of the benzene ring. This is necessary for the investigation of its electron shell and for the computation of the intensities of the spectra of substituted benzenes with a complicated structure. In order to calculate the tensors of the polarizability derivatives for all frequencies of the spectra of combination dispersion the authors employed the formulae of the optical valence theory (Ref 2) as well as formulae in which the momentum is

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Intensities and Depolarization in the Spectra of SCV/AS-22-9-5/40
Combination Dispersion of C_6H_6 , C_6D_6 , and of the Symmetrical $C_6H_3D_3$

different from zero (Ref 3). The matrix elements L of the normalized coefficients of the oscillation form that are contained in these tensors were determined from the solution of the mechanical problem (Refs 5,6). For the computation of the electro-optical parameters of benzene above all the quality K^2 must be estimated. This was performed by means of formulae (Ref 4) according to the method of the tensor representation of E^- and S, described in reference 7. In this computation two values of K^2 are obtained (see tables 1,2). The tensor representations of E^+ of C_6H_6 , C_6D_6 , and E' of $C_6H_3D_3$ contain new electro-optical parameters, namely the differences $\alpha_{Q1} - \alpha_{Q2}$, $\alpha_{q1} - \alpha_{q2}$ and their derivatives. 15 experimental values of S are available for the determination of these parameters. From this system containing excess equations the physically most reasonable variant was chosen. All computations are given in the usual zero-th approximation of the optical valence scheme (Ref 2). The results are listed in table 1 and 2.

Card 2/3

Intensities and Depolarization in the Spectra of SOV/48-22-9-5/40
Combination Dispersion of C_6H_6 , C_6D_6 , and of the Symmetrical $C_6H_3D_3$

There are 2 tables and 7 references, 4 of which are Soviet.

ASSOCIATION: Saratovskiy gos. universitet im. N. G. Chernyshevskogo
(Saratov State University imeni N. G. Chernyshevskiy)

Card 3/3

SOV/51-7-4-9/32

AUTHORS: Novner, M.A. and Snegirev, B.N.

TITLE: Intensities and Depolarization in the Raman Spectra of Polymethylbenzenes.
I. General Theory. Toluene.

PERIODICAL: Optika i spektroskopiya, 1959, Vol 7, Nr 4, pp 487-497 (USSR)

ABSTRACT: In an earlier paper (Ref 1) the authors determined the polarizabilities of bonds in benzene and their derivatives with respect to the bond length. The results of that paper can be used as the basis of a systematic discussion of intensities in the spectra of substituted benzenes. This is started by the present paper which reports calculations of elements of tensors T of the derivatives of polarizability with respect to the normal coordinates for all 38 vibrations of the toluene molecule. The elements of T are expressed in terms of atomic masses, bond lengths, bond polarizabilities and their derivatives, elements of matrices L of normalized coefficients of vibration forms and elements of matrices L^{-1} . The formulae for T are very complex and are, therefore, given in Tables 2-8. As in the earlier paper (Ref 1) calculations were based on the valence-optical theory suggested by Vol'kenshteyn and later

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SOV/51-7-4-9/32

Intensities and Depolarization in the Raman Spectra of Polymethylbenzenes. I.
General Theory. Toluene.

worked out in greater detail by Vol'kenshteyn and Yel'yashhevich
(Refs 2, 3). A figure on p 487 shows the geometrical model of the
toluene molecule assumed by the authors, and its vibrational coordinates.
The paper is entirely theoretical. There are 1 figure, 8 tables and
6 references, 3 of which are Soviet and 3 English.

SUBMITTED: January 10, 1959

Card 2/2

80562

S/051/60/008/06/023/024
E201/E691

5,4130

AUTHORS: Snegirev, B.N. and Kovner, M.A.

TITLE: The Formulae Used for Calculation of Intensities in the Infrared Molecular Spectra

PERIODICAL: Optika i spektroskopiya, 1960, Vol 8, Nr 6, pp 880-881 (USSR)

ABSTRACT: Ferigle and Weber (Ref 1) gave a formula for calculation of the components of the tensor of the derivatives of molecular polarizability along normal coordinates and this formula can easily be applied to the case of calculation of components of the dipole moment vector μ along the normal coordinates Q_i . X

$$\left(\frac{\partial \mu_u}{\partial Q^m} \right)_0 = \sum_{nR} \left(\frac{\partial \mu_n}{\partial Q_n} \right)_0 \cos(nu) T_r^n L_m^r + \sum_{nl} \mu_n S_n^{-1} [e_u - e_{ji} \cos(nu)] X \\ \times \left(\frac{S_i}{m_i} - \frac{S_j}{m_j} \right) (L^{-1})_l^m, \quad (1)$$

where $u = x, y, z$; e_u are the unit vectors along the axes x , y and z ; n are the numbers of the bonds; μ_n and S_n are the dipole moments and the equilibrium lengths of the bonds; m_i and m_j are the masses of atoms forming the bond ji ; r and l are the numbers of the

Card 1/2

KOVNER, M.A.; SNEGIREV, B.N.

Intensities and depolarizations in the Raman spectra of polymethylbenzenes. Part 2: Numerical calculation for toluene. Opt. i spektr. 9 no.2:170-175 Ag '60. (MIRA 13:8)
(Toluene--Spectra)

24-6111
55310

32044
S/051/61/011/005/003/018
E202/E192

AUTHOR: Snegirev, B.N.

TITLE: Vibrational spectra of aromatic compounds

PERIODICAL: Optika i spektroskopiya, v.11, no.5, 1961, 577-583

TEXT: Using the zeroth and the first order approximations of the Valence-Optical scheme, the author evaluated the intensity of the bands in the IR spectrum of toluene. Since most of the electro-optical data derived from the experimental measurements of the band intensities of toluene are not available, and would be very difficult to measure, an approximation was made by substituting the corrected numerical values for benzene and ethane. All the known integral intensities of the bands in the IR spectrum of toluene (e.g. those quoted by N. Fuson, C. Garrigou-Lagrange and M.L. Josien, Ref.12; Spectrochim. Acta, v.16, 106, 1960) agreed well with the values calculated by the present author's method. The most intensive were the bands with frequencies 690, 730, 150⁴ and 307⁴ cm⁻¹ and these also agreed well with the calculation. Extending this method, the author

Card 1/2

Vibrational spectra of aromatic ...

32044
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E202/E192

calculated also certain values for the monoallyl phenyls, and some of these agree well with the available experimental data. Acknowledgments are expressed to M.A. Kovner for his interest in the work.

There are 2 tables and 17 references: 12 Soviet-bloc, 1 Russian translation from non-Soviet-bloc publication, and 4 non-Soviet-bloc. The English language references read as follows:
Ref. 8: I.M. Nyquist, I.M. Mills, W.B. Person, B. Crawford,
J. Chem. Phys., v. 26, 552, 1957.
Ref. 9: R.R. Randle, D.H. Whiffen,
Trans. Farad. Soc., v. 52, 9, 1956.

SUBMITTED: December 7, 1960

Card 2/2

KOVNER, M.A.; SNEGIREV, B.N.

Vibration spectra of aromatic compounds. Part 9. Theoretical calculation of the intensities in the infrared spectra of benzene and certain deuterated benzenes. Opt.i spektr. 10 no.3:328-334 Mr '61. (MIRA 14:8)

(Aromatic compounds—Spectra) (Benzene—Spectra)
(Infrared rays)

SNEGIREV, B.N.

Vibration spectra of aromatic compounds. Part 13. Opt. i spektro.
12 no.6:696-702 Je '62. (MIRA 15:5)
(Aromatic compounds—Spectra)

SREGIREV, B.N.

Calculation of intensities and depolarization in the Raman spectrum
of paraxylene. Izv. vys. ucheb. zav.; fiz. no.4:40-47 '63.
(MIRA 16:9)

1. Saratovskiy gosudarstvennyy universitet imeni N.G.Chernyshevskogo.
(Raman effect) (Xylene—Spectra)

S/0051/63/015/006/0816/0818

ACCESSION NR: AP4009467

AUTHOR: Snegirev, B.N.

TITLE: Concerning formulas for calculating the components of the tensor of the derivatives of the polarizability of a polyatomic molecule along the normal coordinates

SOURCE: Optika i spektroskopiya, v.15, no.6, 1963, 816-818

TOPIC TAGS: molecular polarizability, polarizability derivative tensor, polyatomic molecule, optical model, molecular vibration, molecular rotation, benzene

ABSTRACT: On the basis of the Vol'kenshteyn valence-optical model (M.V.Vol'kensteyn, M.A.El'yashevich and B.I.Stepanov, Kolebaniya molekul (Vibrations of Molecules), 1949), S.M.Ferigle and A.Weber (Canad.J.Phys.32, 799, 1954) proposed an improved method for calculating $\frac{\partial \epsilon}{\partial Q^k}$, the components of the tensor of the derivatives of the polarizability of polyatomic molecules along the normal coordinates. A shortcoming of the Ferigle-Weber formula, however, is that it is applicable only to molecules the bonds of which possess cylindrical symmetry. L.M.Sverdlov (Opt.i spektr.

Card 1/2

AP4009467

11,774,1961) adduces (without derivation) a formula for calculating $\frac{d\sigma}{dQ}$ free of the above shortcoming. Owing to the way in which anisotropy is taken into account, however, calculations for benzene by means of Sverdlov's formula yield results that are not in agreement with data of other authors. The reasons for the divergence are analyzed in the present paper and it is concluded that Sverdlov's formula is valid for the case when the symmetry of the group under consideration does not comprise rotation. It does not yield a correct result when applied to specific cases wherein rotation is present. The author suggests means for overcoming the difficulty and gives a computation formula that is a combination of the expressions of Fergie & Weber and Sverdlov. Orig.art.has: 9 formulas and 1 figure.

ASSOCIATION: none

SUBMITTED: 15Nov62

DATE ACQ: 03Jan64

ENCL: 00

SUB CODE: PH

NR REB Sov: 004

OTHER: 004

Card 2/2

SNEGIREV, B.N.

Calculation of intensities and depolarizations in the Raman spectrum
of metaxylene. Izv. vys. ucheb. zav.; fiz. no.1:69-75 '64.

(MIRA 1/;3)

1. Saratovskiy gosudarstvennyy universitet imeni Chernyshevskogo.

FEBEROW, V.D.; SNEGIREV, B.V.

Use of framycin (=ecmycin) in surgical practice. Antibiotiki & no.12:
1116-1120 D '63. (MIRA 17:10)

1. Gos'pit'el'naya khirurgicheskaya klinika lechebnogo fakul'teta II
Moskovskogo meditsinskogo instituta imeni Pirogova (zav.-prof. V.S.
Mayat) i Gorodskaya klinicheskaya bol'nitsa No.59 (glavnnyy vrach N.P.
Korzhakov).

SNEGIREV, I. A., Cand Tech Sci -- (diss) "Interlinking of water levels
[redacted] water control dams having a vertical [redacted] bank
spatial [redacted]." Len, 1958. 19 pp (Min of Higher Education USSR, Len
Polytechnic Inst im M. I. Kalinin), 130 copies (KL, 18-58, 100)

SNEGIREV, I. A., Candidate Tech Sci (diss) -- "The water level behind spillway dams equipped with a vertical shelf, under conditions of the spatial problem". Leningrad, 1959. 19 pp (Min Higher Educ USSR, Leningrad Polytech Inst im M. I. Kalinin), 150 copies (KL, No 24, 1959, 141)

14(10)

SOV/98-59-2-10/22

AUTHOR: Snegirev, I.A., Engineer

TITLE: On the Pulsation of Waterflow Speeds in the
Sector of Junction of Head and Tail Waters
(O pul'satsii skorostey techeniya na uchastke
sopryazheniya b'yefov)

PERIODICAL: Gidrotekhnicheskoye stroitel'stvo, 1959,
Nr 2, p 41-42 (USSR)

ABSTRACT: The author presents an empirical, graphic and
analytical solution to the problem of deter-
mining the action of a stream on the bottom of
the tail-race in the sector of junction of
head and tail waters. There are 2 graphs and
4 Soviet references.

Card 1/1

SNEGIRD, I.A., inzh.

Hydraulic jump in channels with reverse bottom slopes. Gidr. stroi.
30 no.4:49-50 Ap '60. (MIRA 14:4)
(Hydraulic jump)

DOLMATOV, K.I., kand.fiziko-matematicheskikh nauk (Tashkent);
SNEGIREV, I.A., kand.tekhn.nauk (Tashkent)

Irregular movement of a liquid in closed water pipes.
Vod. i san. tekhn. no.8:27-29 Ag '62. (MIRA 15:9)
(Water pipes) (Hydraulics)

SNEGIREV, I.A., kand.tekhn.nauk (Tashkent)

New method for calculating the movement of ground waters. Gidr.
i mel. 14 no.11:31-34 N '62. (MIRA 15:12)
(Water, Underground) (Soil percolation)

SNEGIREV, I.A.

Calculation of ground water movement. Meteor. i gidrol. no.11:
47-49 N '63. (MIRA 16:11)

1. Kalininckiy torfyanoy institut.

SNEGIREV, T. V.

Calculating the fluid flow under driving-pressure in
reservoirs taking into account the permeability of the
roof and bottom in them. Izv. vys. ucheb. zav.; naft' i
gaz 5 no.11/75-81 'c2. (MLR 17:6)

I. Chukotkinskiy institut po energeticheskym resursam
transcript.

SNEGIREV, I.A., kand. tekhn. nauk

Calculation of the movement of bottom streams saturated with
suspended particles in reservoirs. Meteor. i gidrol. no.12:
38-43 D '64 (MIRA 18:1)

1. Kalininskiy torfyanoy institut.

KALIN, Nikolay Fedorovich; KAMILEV, Nikolai Lavrovich; SHELEGOV, Pavel
Konstantinovich; SNEGIREV, I.P., redactor; MELEVSEV, L.M.,
tekhnicheskiy redaktor

[Survey of 3-10 kw overhead electric lines] Izyskania vzduchnykh
linii elektroperedachi 3-10 kv. Pod red. N.F.Kalina. Moskva, Gos.
energ.iiz-iye, 1957. 156 p.
(Electric lines--Overhead)

KALIN, Nikolay Fedorovich; KAZANTSEV, Mikhail Lavrovich; SNEGIREV, L.S.,
rad.; BORUNOV, N.I., tekhn.rad.

[Surveying operations in the construction of overhead electric
power transmission lines] Izyskania trass, vozdushnykh linii
elektroperedachi. Izd.2., perer. i dop. Pod red. N.P.Kalina.
Moskva, Gos.energ.izd-vo, 1961. 247 p. (MIRA 14:12)
(Electric lines--Overhead)

BOCHKOV, Nikolay Vasil'yevich, professor, doktor ekonomicheskikh nauk;
PERSHIN, P.N., doktor ekonomiceskikh nauk; SNEGIREV, M.A.,
kandidat sel'skokhozyaystvennykh nauk; SHARAPOV, V.F., doktor
istoricheskikh nauk [deceased]; OZEROV, V.N., redaktor; BALLOD,
A.I., tekhnicheskiy redaktor

[The history of land relationships and the organization of land use]
Istoriia zemel'nykh otnoshenii i zemleustroistva. Pod red. N.V.Boch-
kova. Moskva, Gos. izd-vo selkhoz. lit-ry, 1956. 247 p. (MLRA 9:8)
(Land tenure) (Agriculture)

SNEGIREV, M.

PA 190T48

USSR/Electronics - Process Control
Automatic Devices

Jun 51

"Electronics in the Paper Industry," M. Snegirev,
Kama Cellulose-Paper Combine

"Radio" No 6, pp 15, 16

Describes instrument for continuously measuring
moisture in paper, consisting of 4 capacitor trans-
mitting elements, 800 cps oscillator, and voltage
regulator. Instrument operates on the change of
the dielec const of paper (1.5-3.5) with moisture
content.

✓
190T48

SNEGIREV, M. M.; BARSUKOV, K. N.

Electric cables - Testing

Locating the point of damage in underground cables.

Rab. Energ. 2, No. 7, 1952.

9. Monthly List of Russian Accessions, Library of Congress, October 1952. UNCLASSIFIED.

1. SARGUKOV, K. N., SVERDLOV, M. M.
2. USSR (600)
4. Electric Cables - Testing
7. Detector of Defects of cable. Bum Prom. 27, 1952.
9. Monthly List of Russian Accessions, Library of Congress, February 1953. Unclassified.

SNEGIREV, M.M., inzhener.

Device for locating cable damages. Rab.energ. 3 no.5:7-9 My '53.
(MLRA 6:5)
(Electric cables)

Snegirev, M. M.

AID P - 672

Subject : USSR/Electricity

Card 1/1 Pub. 29 - 7/24

Authors : Snegirev, M. M., Eng. and Gubin, A. A., Eng.

Title : Apparatus for testing windings of electrical machines

Periodical : Energetik, 7, 12-13, J1 1954

Abstract : A short description of a device containing a sound-frequency generator. 5 diagrams and 2 photos.

Institution : None

Submitted : No date

SNEGIREV, M.M., inzhener.

Apparatus for repairing screens of paper-making machines. Bum.prom.
29 no.5:21-22 My '54. (MIRA 7:7)

1. Kamskiy tsellyulozno-bumazhnyy kombinat.
(Paper-making machinery)

SNEGIREV, M.M., inzhener.

Preheating roller band rings. Bum.prom.29 no.9:25 S '54.
(MIRA 7:11)

1. Kamskiy tsellyulozno-bumazhnnyy kombinat.
(Papermaking machinery)

SNEGIREV, M.M., inzhener.

Electronic liquid level regulator. Gidroliz. i lesokhim. prom. 8
no.6:19 '55. (MLRA 9:1)

L'vovskiy tselyulozno-bumazhnyy kombinat.
(Wood pulp industry--Equipment and supplies) (Electronic apparatus
and appliances)

SNEGIREV, M.M., inzhener

Automatic control of steam pressure and of moisture in paper
reels. Bum.prom.30 no.5:13 My '55. (MIRA 8:8)

1. Kamskiy tsellyulozno-bumazhnny kombinat.
(Paper industry) (Automatic control)

S. N. SNEGIREV, M. M.

AUTHOR: Snegirev, M.M.

94-1-6/24

TITLE: Simple Liquid Level Indicators (Простые сигнализаторы уровня
жидкостей)

PERIODICAL: Promyshlennaya Energetika, 1958, No. 1,
pp. 14 - 16 (USSR)

ABSTRACT: In the paper industry and some others, float-type water-level indicators cannot be used because of corrosion and other troubles. This article describes a water-level monitor which is based on the electrical conductivity of the liquid and has given satisfactory service for a number of years. Insulated rods in the tanks at appropriate levels are connected to relays fed by full-wave-rectified current, as in Fig.1. Another circuit that is used to signal high and low liquid levels in paper pulp tanks is shown in Fig.2. This consists of an electronic relay made up of two radio valves, type 6H7; one is used as a full-wave rectifier, whilst the grid of the other is connected to the level-indicating rods. When the level is normal, a green lamp is lit; when it is too low, a red lamp; and when it is too high, a white lamp. Thus, one lamp is always burning. The circuit of Fig.2 was used because that of Fig.1 gave trouble with electrolysis of the rods. However, the circuit of Fig.2 also gave trouble because of high ambient

Card1/2

Simple Liquid Level Indicators

94-1-6/24

humidity, and good results were then obtained with the two-rectifier circuit shown in Fig.3, whereby only alternating current is applied to the rods. The electronic relay should be used when conditions are not humid and the liquid is of high resistivity. An editorial note says that the use of a silver plate on the rods is found to give better contact with the liquid.

There are 4 figures.

AVAILABLE: Library of Congress

Card 2/2

SNEGIREV, M.M.,insh.

Operation of the betameter-a radioactive instrument for measuring
the weight of the paper web. Bum. prom. 33 no. 6:22-23 Je '58.
(MIRA 11:?)

1. Kamaikiy tsellyulozno-busazhnyy kombinat.
(Beta rays--Industrial applications)
(Paper)

SNEGIREV, M.M., inzh.; YAROSLAVTSEV, G.P., inzh.

Light relay for recording sheet breaks in the dryer section of the
papermaking machine. Bum. prom. 33 no.12:22-23. D '58.
(MIRA 11:12)

1. Kamskiy tsellyulozno-bumazhnny kombinat.
(Papermaking machinery) (Electric relays)

PETROPAVLOV, G.M., inzh.; SNEGIREV, M.M., inzh.

Measurement and recording of the surface temperature of drying cylinders. Bum.prom. 34 no.1:15-17 Ja '59. (MIRA 12:1)
(Papermaking machinery) (Temperature--Measurement)

SNEGIREV, M.M., inzh.; PONOMAREV, S.F., inzh.

Automation of production processes in manufacturing insulating plates. Mekh.i avtom.proizv. 14 no.12:14-16 D '60. (MIRA 13:12)
(Automation) (Insulating materials)

SNEGIREV, M.M., inzh.

Automatic chlorine-pressure regulator. Bum.prom. 36 no.2:29 F '61.
(MIRA 14:2)

(Woodpulp)

(Chlorine)

SNEGIREV, M.M., inzh.

Automatic temperature regulation of defibration. Bum.prom. 36
no. 5:25-26 My '61. (MIRA 14:5)
(Krasnokamsk—Woodpulp) (Temperature regulators)

SNEGIREV, N.P.

Drilling wells for underground gas storage. Trudy SGPK no.3:172-
175 '62. (MIRA 15:10)
(Gas, Natural—Storage)

BANSHIKOVA, Vasilij, nar., usyatel' nauci prof., red.; KRYLOV, N.D.,
red; ZHURAVLJOV, L.N., doktor med. nauk, prof.; KAFERINA, Ye.B.,
prof., red.; KIVINSKAYA, N.S., doktor med. nauk, red.;
BUKHIN, N.L., prof., red.; SNEGIREV, F.I., red.

[Collection of scientific works dedicated to the 150th an-
niversary of the Hospital] Storokh nauchnykh trudov, posvia-
shchennyi 150-letiju bol'nitsy. Pod obshchey red. V.N.
Banshikova i N.N.Krylovoi. Moskva, 1963. 487 p.

(MirA 17:7)

I. Moscow. Psichoneurologicheskaya gorodskaya bol'nitsa No.3.

SNEGIREV, P. N.

SNEGIREV, P.N.

Prolonged presence of a large foreign body in the pleural cavity.
Khirurgia no.5:74 My '54. (MLRA 7:7)

1. Iz fakul'tetskoy khirurgicheskoy kliniki Rostovskogo-na-Donu
meditsinskogo instituta.
(PLURA, foreign bodies,
*in child, prolonged presence of large object)
(FOREIGN BODIES,
*pleura, prolonged presence of large object in child)

SNEGIREV, P.N.

Survey of scientific work of the Rostov Roentgen-Radiological and
Oncological Institute (P.N.Snegirev, director). Vest. rent. i rad.
no.5:91-93 S-0 '54. (MIRA 7:12)

(RADIOLOGY,

in Russia)

(NEOPLASMS,

research in Russia)

SNEGIREV, P.N.; GONCHAROVA, V.K.

Tumors of the ovary produced by means of hormonal disorders.
Vop. onk. 6 no.3:19-24 Mr '60. (MIRA 14:2)
(OVARIES—TUMORS)

Country : USSR

Subject : CULTIVATED PLANTS. GRAINS

M

Abstr. Jour. : REF ZHUR.BIOL.,21,1956, NO.959 48

Author : Snegirov,S.

Institution : -

Title : Hybrid Corn Seeds

Orig. Pub. : S.kh. Kazakhstana, 1957, No. 4, 11-15

Abstract : This treats the singular hybrid seed production for Kazakhstan.

Carry: 1/1

OSENIN, A.P., student; SNEGIREV, V.F.; ZHMAKIN, K.N., professor, zaveduyushchiy.

Snegirev's views and his work "Uterine hemorrhages." Akush. i gin. no.3:
84-86 My-Je '53. (MLBA 6:7)

1. Kafedra akusherstva i ginekologii I Moskovskogo ordena Lenina meditsinskogo instituta (for Osenin and Zhmakin).
(Hemorrhage, Uterine) (Snegirev, Vladimir Fedorovich, 1847-1916)

SNEGIREV, Vladimir Fedorovich

10G100

USSR/Who's Who - Scientific 7523. 19 Sep 1947
Legislation 3122.0400

"122. Concerning the Immortalization of the Great
Russian Scientist, Professor Vladimir Fedorovich
Snegirev" 2 p

"Sobraniye Postanovleniy Sovmin SSSR" No 6

Decree No 2751, 2 Aug 1947, in commemoration of 100th
anniversary of the death of Snegirev calls for a
monument in Moscow, a plaque on the door of his house
of birth, the naming of several institutions after
him, and the establishment of several stipends in his
name.

LC

10G100

SNEGIREV, Ye.A.

Effect of ethamide on renal function. Farm. i toks. 21 no.2:67-71
Mr-Ap '58 (MIRA 11:6)

1. Kafedra farmakologii i farmatsii (nach. - prof. S.Ya. Arbuzov)
Voyenno-meditsinskoy ordena Lenina akademii imeni S.M. Kirova.
(PROBENECID, rel. cpds.
diethyl. deriv., eff. on kidney funct. (Rus))
(KIDNEY'S, effect of drugs on,
probenecid diethyl deriv. (Rus))

S/247/62/012/005/004/004
D296/D307

AUTHORS: Belov, D.M., Krylov, S.S., and Snegirev, Ye.A.

TITLE: An automatic programming device for the investigation
of motor defensive conditioned reflexes

PERIODICAL: Zhurnal vysshey nervnoy deyatel'nosti imeni I.P.
Pavlova, v. 12, no. 5, 1962, 969 - 974

TEXT: The described programming automates the following: 1) Application of stimuli in any sequence or combination as demanded by the program; 2) elimination of the conditioned stimulus as soon as the animal has performed the expected action; 3) application of the unconditioned stimulus in that half of the chamber in which the animal perceived the conditioned stimulus; 4) recording of the reaction over which the stimulus was active and of the animals' motor reaction on an oscillographic tape or on a film, using an extremely narrow strip of film only. The device consists of 1) A feed-in suitable for a variety of programs; this is a tape-recorder which records sinusoid oscillations of different frequency as demanded by the program (stereotype). 2) An automatizing block which consists

Card 1/2

ACC NR: AP6034257 (N) SOURCE CODE: UR/0390/66/029/005/0527/0531

AUTHOR: Norkina, L. N.; Snegirev, Ye. A.

ORG: Laboratory of Physiology and Pathology of Higher Nervous Activity /Head-Prof. N. I. Lagutina/ Institute of Experimental Pathology and Therapy, AMN SSSR, Sukhumi(Laboratoriya fiziologii i patologii vysshay nervnoy deyatel'nosti Instituta eksperimental'noy patologii i terapii AMN SSSR)

TITLE: Effect of the cholinolytic substance N-methyl-4-hydroxypiperedyl benzoate on biologically dissimilar motor conditioned reflexes in monkeys

SOURCE: Farmakologiya i toksikologiya, v. 29, no. 5, 1966, 527-531

TOPIC TAGS: drug effect, cholinolytic drug, N-methyl-4-hydroxypiperedyl benzoate, conditioned reflex, CNS, CNS effect, CEREBRAL CORTEX, O&E

ABSTRACT: Doses of 0.2—0.02 mg/kg N-methyl-4-hydroxypiperedyl benzoate inhibited the cerebral cortex and disrupted various reflexes in monkeys. It affected exploratory food-getting reflexes most and affected defense reflexes least. Orig. art. has: 2 figures.

\ [W.A. 50]

SUB CODE: 06/ SUBM DATE: 19Aug65/ ORIG REF: 008/ OTH REF: 003
Card 1/1 UDC: 615.787-092:612.825.1

SNEGIREV, Ye. A.

Effect of ethamide on the excretion of ρ -aminosalicylic acid
by the kidneys. Probl. tub. 40 no.4:87-92 '62.
(MIRA 15:6)

1. Iz kafedry farmakologii i farmatsii Vojenno-meditsinskoy
ordena Lenina akademii imeni S. M. Kirova.

(SALICYLIC ACID) (PROBENECID) (KIDNEYS)

SNEGIREV, Ye.A.

Role of adrenergic mechanisms in the development of motor excitation produced in rats by amizil (benactyzine). Blul. eksp. biol. i med. 57 no.4:58-60 Ap '64.

(MIRA 18:3)

1. laboratoriya patofiziologii (zav. - kand. med. nauk S.S. Krylov) Instituta toksikologii Ministerstva zdraveokhraneniya SSSR, Leningrad. Submitted November 27, 1963.

AL'BITSEKAYA, Ye.F., GORKIN, Z.D., KARMINSKIY, M.S., MIKHAYLOVSKAYA, YE.F.
SNEGIREV, Ye.S.

Physiological and hygienic basis for the organization of stop training
in machinery trade. Gig. i san. 23 no.9:35-38 S'58 (MIRA 11:11)

1. Iz kafedry gigiyeny truda Khar'kovskogo meditsinskogo instituta.
(INDUSTRY AND OCCUPATIONS,
machinery indust. schools in Russia (Rus))
(SCHOOLS,
hygiene (Rus))

... by the American Society of Industrial Hygiene.

"... indicated by iconic principles of industrial training in the
principles of machine tool firm."

Report submitted at the 13th All-American Congress of Hygienists, Epidemiologists
and Infectiologists, 1959.

VORONOV, F.D.; TRIFONOV, A.G.; KHUSID, S.Ye.; DIKSHTEYN, Ye.L.; VAL'PITER, E.V.
SNEGIREV, Yu.B.; ANTIPIK, V.G.; Prinimali uchastiye: SMIRNOV, L.A.;
KAZAKOV, A.I.; YELIZAROV, A.G.; KULAKOV, A.M.; KOZHANOV, M.G.;
ZARZHITSKIY, Yu.A.; ARTAMONOV, M.P.; GOL'DENBERG, I.B.; ROMANOV,
V.M.; NOVIKOV, S.M.; MAYEVSKIY, A.B.; DMITRIYEV, I.; MANZHULA, M.;
BEREZOVAY, I.A.; ZUTS, K.A.; BADIN, S.N.; TATYRINTSEV, G.;
MITROFANOV, N.G.; GAVRILOVA, K.M.; IVANOV, N.I.

Operating a 400-ton open-hearth furnace on casing-head gas.
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